

Materials List for:

Image-based Lagrangian Particle Tracking in Bed-load Experiments

Alessio Radice¹, Sankar Sarkar², Francesco Ballio¹

¹Dept. of Civil and Environmental Engineering, Politecnico di Milano

²Physics and Applied Mathematics Unit, Indian Statistical Institute

Correspondence to: Alessio Radice at alessio.radice@polimi.it

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Materials

Name	Company	Catalog Number	Comments
Laser distance sensor	METRICA	PREXISOX2	Used to measure the flume slope
Two-component polyester resin	Gelson	MS 65213	Used to glue sediment particles onto steel plates
Water-resistant spray paint	Any		Used to paint the fixed bed
Ultrasonic Velocity Profiler	Signal Processing	DOP 2000	Used to measure the water velocity profiles
Camera	Go-Pro	Hero 4 Black	Used to acquire movies of bed-load particle motion
Streams	University of Canterbury	2.01	Used for particle identification and tracking
MatLab	MathWorks	R14	Used to develop ad hoc codes for a variety of operations
Plexiglas			Transparent acrylic material